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Amendments to the Claims:

1. (Previously Amended) A method for preventing or treating vascular thrombosis, which comprises administering to a subject a medicinal product comprising a sulfated polysaccharide obtained by radical depolymerization of a crude fucan derived from Phaeophyceae, said polysaccharide having a molar mass of less than or equal to 10,000 g/mol.

2. (Currently Amended) The method as claimed in claim 1, wherein said medicinal product is intended to prevent or treat venous thrombosis is treated or prevented.

3. (Currently Amended) The method as claimed in claim 1, wherein said medicinal product is intended to prevent or treat arterial thrombosis is treated or prevented.

4. (Currently Amended) The method as claimed in claim 3, for preventing wherein arterial restenosis is prevented.

5. (Previously Amended) The method as claimed in claim 1, wherein said sulfated polysaccharide has a molar mass of less than 5000 g/mol.

6. (Previously Amended) The method as claimed in claim 1, wherein said medicinal product is administered parenterally.

7. (Previously Amended) The method as claimed in claim 6, wherein said medicinal product is administered intravenously.

8. (Previously Amended) The method as claimed in claim 6, wherein said medicinal product is administered subcutaneously.

9. (Previously Amended) The method as claimed in claim 8, wherein said medicinal product is administered, preventatively, at a daily dose of between 150 and 300 mg.

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10. (Previously Amended) The method as claimed in claim 8, wherein said medicinal product is administered, curatively, at a daily dose of between 450 and 600 mg.

11. (Previously Amended) The method as claimed in claim 4, wherein said medicinal product is administered locally.

12. (Previously Amended) The method as claimed in claim 11, wherein said medicinal product is administered by endoparietal diffusion.